



 **BW** BALTIMORE/WASHINGTON
INTERNATIONAL
Thurgood Marshall
AIRPORT



Comparative Analysis

BALTIMORE-WASHINGTON INTERNATIONAL
THURGOOD MARSHALL AIRPORT

MDOT MAA RFP-22-001
General Information No. 2

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DISCLAIMER

General Information No. 4 shows how BWI Marshall Airport performs compared to regional competitors Dulles International Airport (IAD), Ronald Reagan National Airport (DCA), and other similar airports in North America. Past activity may not be indicative of future activity. Changes in air carrier operations at BWI Marshall Airport could materially change future activity at the airport. Further, the information contained in this document is confidential and privileged, only provided as a reference for the registered proponent, and may not be used, published, or redistributed without the prior written consent of the Maryland Department of Transportation Maryland Aviation Administration (Administration). The data and analyses presented herein are compiled from activity reports submitted to or compiled by the Administration, unless another source is specified. The administration makes no guarantee of the accuracy or reliability of such information provided to the administration by the airlines and other sources. The Administration makes no guarantee concerning the number of passengers that will use the airport in the future. All data provided is for informational purposes and the administration is not responsible for any inaccuracies thereof. No warranty is intended or implied.

Regional Competitive Airport Analysis





The region served by BWI Marshall Airport consists of the State of Maryland, the District of Columbia, Virginia, West Virginia, and parts of southern Pennsylvania and Delaware. The region is also served by Reagan National Airport (DCA or Reagan) and Washington Dulles International Airport (IAD or Dulles), which are respectively 40 and 57 road miles from central Baltimore. The availability of generally lower airfares at BWI Marshall Airport contributes to its use predominantly by leisure travelers.





COMMERCIAL AIRLINE OPERATIONS & REGIONAL MARKET SHARE

	Commercial Air Operations				Percent Change				Market Share			
	2017	2018	2019	2020	2017	2018	2019	2020	2017	2018	2019	2020
BWI	21,257	20,793	21,717	13,226	5.6%	-2.2%	4.4%	-39.1%	33.8%	32.5%	33.1%	43.0%
IAD	18,316	19,928	20,264	11,447	-1.2%	8.8%	1.7%	-43.5%	29.1%	31.1%	30.9%	37.2%
DCA	23,351	23,265	23,578	6,087	2.3%	-0.4%	1.3%	-74.2%	37.1%	36.4%	36.0%	19.8%



DOMESTIC AIRLINE SERVICE AT REGIONAL AIRPORTS

DOMESTIC AIRLINE SERVICE AT REGIONAL AIRPORTS

Baltimore/Washington International, Reagan National, and Dulles International Airports

As scheduled for July of years shown

	Number of destinations served nonstop (a)			Average daily departures			Average daily departing seats				Number of destinations served nonstop (a)			Average daily departures			Average daily departing seats		
	2009	2019	Change	2009	2019	Change	2009	2019	Change		2009	2019	Change	2009	2019	Change	2009	2019	Change
By airport																			
BWI	55	61	6	326	321	(5)	39,491	46,806	7,315	Southwest									
Reagan	62	79	17	374	388	14	34,837	39,899	5,061	BWI	48	51	3	212	202	(10)	28,182	30,619	2,437
Dulles	73	75	2	354	273	(81)	31,560	27,796	(3,764)	Reagan	3	17	14	8	45	37	987	6,561	5,575
										Dulles	5	2	(3)	15	5	(11)	2,013	802	(1,210)
By airline																			
American										United									
BWI	8	7	(1)	39	23	(16)	3,601	3,106	(495)	BWI	7	5	(2)	26	11	(16)	3,108	1,728	(1,380)
Reagan	45	67	22	232	224	(8)	19,841	19,871	29	Reagan	5	6	1	35	35	0	3,757	3,305	(453)
Dulles	6	3	(3)	19	11	(8)	2,099	1,258	(841)	Dulles	70	74	4	267	226	(41)	21,685	22,154	469
Delta										All other airlines									
BWI	8	7	(1)	39	28	(11)	4,495	3,710	(786)	BWI	2	31	29	9	57	48	104	7,643	7,539
Reagan	16	11	(5)	82	47	(35)	8,258	5,745	(2,513)	Reagan	7	13	6	18	38	20	1,994	4,417	2,423
Dulles	7	6	(1)	27	20	(7)	2,394	1,946	(448)	Dulles	7	7	--	25	10	(15)	3,369	1,635	(1,735)

Source: OAG Aviation Worldwide Ltd., OAG Analyzer database, accessed February 2020.



HISTORICAL ENPLANEMENT AT REGIONAL AIRPORTS

HISTORICAL TRENDS IN ENPLANED PASSENGERS AT REGIONAL AIRPORTS

Baltimore/Washington International, Reagan National, and Dulles International Airports
12 months ended June 30

Average daily domestic originating passengers							Average daily international enplaned passengers						
Year	BWI	Reagan	Dulles	Share of three-airport region total			Year	BWI	Reagan	Dulles	Share of three-airport region total		
				BWI	Reagan	Dulles					BWI	Reagan	Dulles
2007	21,604	18,766	14,524	39.4%	34.2%	26.5%	2007	743	471	7,314	8.7%	5.5%	85.8%
2012	21,129	18,902	11,432	41.1	36.7	22.2	2012	675	414	8,670	6.9	4.2	88.8
2013	20,492	20,183	10,444	40.1	39.5	20.4	2013	855	597	8,974	8.2	5.7	86.1
2014	19,919	20,251	10,130	39.6	40.3	20.1	2014	954	460	9,371	8.8	4.3	86.9
2015	19,802	22,607	11,002	37.1	42.3	20.6	2015	1,173	541	9,523	10.4	4.8	84.7
2016	20,849	25,082	10,928	36.7	44.1	19.2	2016	1,492	527	9,603	12.8	4.5	82.6
2017	22,165	25,868	11,510	37.2	43.4	19.3	2017	1,476	506	10,095	12.2	4.2	83.6
2018	23,481	25,721	11,990	38.4	42.0	19.6	2018	1,535	502	10,480	12.3	4.0	83.7
2019	23,820	26,005	12,603	38.2	41.7	20.2	2019	1,662	507	11,081	12.5	3.8	83.6

Source: US DOT, *Air Passenger Origin-Destination Survey*, reconciled to Schedule T100; US DOT Schedule T100

FAA RECOVERY PROJECTIONS

Table S-3 Enplanements at Large Hub Airports

Loc Id	Region	Airport Name	2019	2020	Rate 2019 - Recovery		2045	Annual rate 2020 - 2045
					2020	to 2019		
ATL	ASO	HARTSFIELD - JACKSON ATLANTA INTL	53,247,153	28,673,571	-46.2%	2025	82,725,965	4.3%
DFW	ASW	DALLAS - FORT WORTH INTL	34,862,295	22,473,562	-35.5%	2024	56,953,150	3.8%
LAX	AWP	LOS ANGELES INTL	42,843,207	21,535,502	-49.7%	2026	66,461,983	4.6%
ORD	AGL	CHICAGO O'HARE INTL	40,625,824	21,455,616	-47.2%	2026	62,177,469	4.3%
DEN	ANM	DENVER INTL	33,124,919	20,080,348	-39.4%	2025	56,636,046	4.2%
CLT	ASO	CHARLOTTE/DOUGLAS INTL	23,636,955	15,612,061	-34.0%	2024	41,234,458	4.0%
JFK	AEA	JOHN F KENNEDY INTL	31,098,349	14,305,036	-54.0%	2026	51,554,478	5.3%
LAS	AWP	MC CARRAN INTL	24,219,454	14,126,647	-41.7%	2025	39,299,517	4.2%
MCO	ASO	ORLANDO INTL	24,087,917	13,987,850	-41.9%	2024	43,703,027	4.7%
PHX	AWP	PHOENIX SKY HARBOR INTL	22,191,142	13,532,629	-39.0%	2024	40,793,344	4.5%
SEA	ANM	SEATTLE - TACOMA INTL	24,606,683	13,411,558	-45.5%	2025	39,884,647	4.5%
SFO	AWP	SAN FRANCISCO INTL	27,653,896	13,101,582	-52.6%	2025	50,260,438	5.5%
MIA	ASO	MIAMI INTL	21,278,987	12,026,359	-43.5%	2026	33,064,401	4.1%
EWR	AEA	NEWARK LIBERTY INTL	23,019,514	11,956,803	-48.1%	2026	35,990,059	4.5%
IAH	ASW	GEORGE BUSH INTERCONTINENTAL/HOUSTON	21,698,376	11,910,367	-45.1%	2025	35,482,545	4.5%
FLL	ASO	FORT LAUDERDALE/HOLLYWOOD INTL	17,705,497	10,272,945	-42.0%	2025	30,665,907	4.5%
MSP	AGL	MINNEAPOLIS - ST PAUL INTL/WOLD - CHAMBERLAIN	18,906,393	10,201,631	-46.0%	2025	29,143,572	4.3%
BOS	ANE	GENERAL EDWARD LAWRENCE LOGAN INTL	20,563,644	10,020,610	-51.3%	2025	34,680,694	5.1%
DTW	AGL	DETROIT METROPOLITAN WAYNE COUNTY	17,910,009	9,752,707	-45.5%	2026	24,754,764	3.8%
PHL	AEA	PHILADELPHIA INTL	15,797,162	8,411,359	-46.8%	2026	22,336,386	4.0%
SLC	ANM	SALT LAKE CITY INTL	12,685,897	7,578,626	-40.3%	2025	20,418,002	4.0%
BWI	AEA	BALTIMORE/WASHINGTON INTL THURGOOD MARSHALL	13,135,609	7,543,458	-42.6%	2025	19,886,307	4.0%
LGA	AEA	LAGUARDIA	15,360,464	7,325,959	-52.3%	2026	18,552,864	3.8%
SAN	AWP	SAN DIEGO INTL	12,545,612	6,769,829	-46.0%	2025	21,477,022	4.7%
TPA	ASO	TAMPA INTL	10,787,303	6,468,055	-40.0%	2024	19,055,756	4.4%
DCA	AEA	RONALD REAGAN WASHINGTON NATIONAL	11,506,509	5,944,030	-48.3%	2025	15,445,442	3.9%
IAD	AEA	WASHINGTON DULLES INTL	11,868,312	5,894,731	-50.3%	2026	18,374,283	4.7%
MDW	AGL	CHICAGO MIDWAY INTL	10,183,786	5,709,747	-43.9%	2025	15,224,791	4.0%
PDX	ANM	PORTLAND INTL	9,786,535	5,136,097	-47.5%	2024	18,024,071	5.1%
HNL	AWP	DANIEL K INOUEY INTL	9,804,277	5,104,712	-47.9%	2026	14,217,231	4.2%
Total			656,741,680	360,323,987	-45.1%	2025	1,058,478,619	4.4%

SOURCE: Terminal Area Forecast Executive Summary: Fiscal Year 2020-2045 (faa.gov)

Annual Concession Sales at Regional Airports





The information provided in this section is from the 2017-2020 editions of the Airport Experience® News (AXN) Fact Book, an airport industry resource for revenue data on airports in North America and information on operators and brands. The data provided focuses on BWI, DCA, and IAD for a regional comparison of the concession programs in place at the closest airports.





REGIONAL SALES 2017-2020: OVERALL CONCESSION PROGRAM

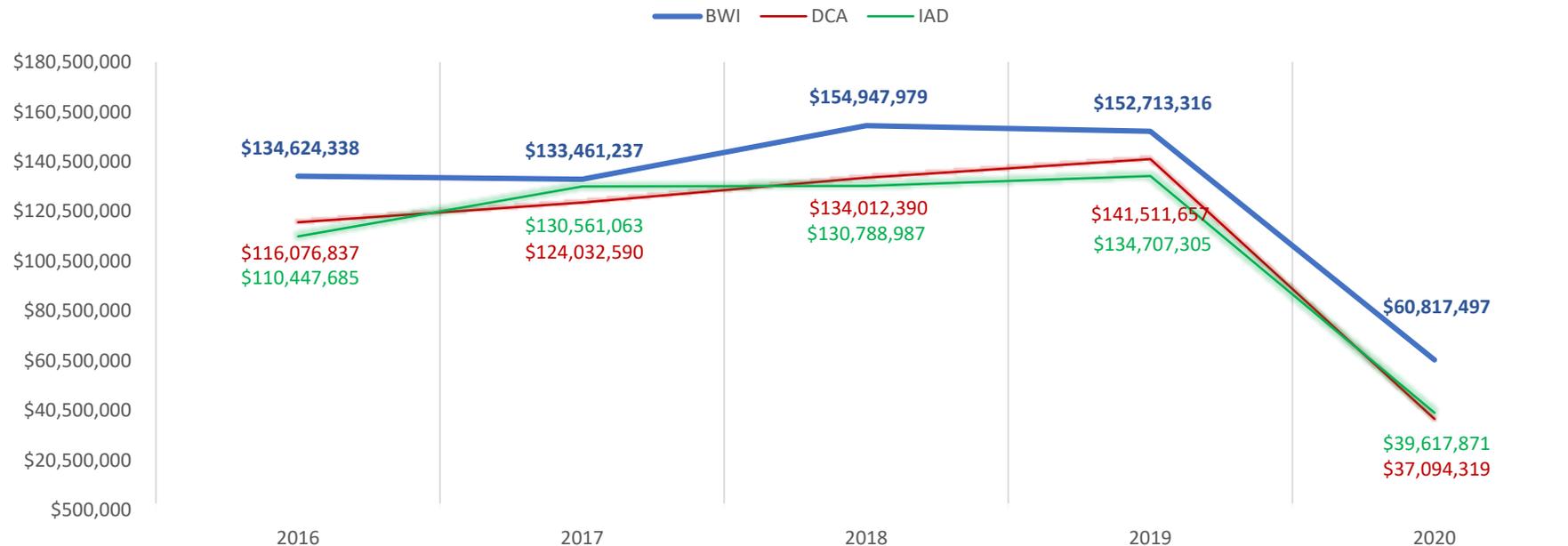
Gross Sales

	2017	2018	2019	2020
BWI	\$ 133,461,237	\$ 154,947,979	\$ 152,713,316	\$ 60,817,497
IAD	\$ 124,032,590	\$ 130,788,987	\$ 134,707,305	\$ 37,094,319
DCA	\$ 130,561,063	\$ 134,012,390	\$ 141,511,657	\$ 39,617,871

Square Footage

	2017	2018	2019	2020
BWI	104,733	106,055	123,622	130,036*
IAD	103,732	103,732	105,150	105,150
DCA	73,658	73,658	73,631	70,505

Gross Sales Reported in 2017-2021 Editions of AXN Factbook



REGIONAL SALES 2017-2020: FOOD/BEVERAGE

Gross Sales				
	2017	2018	2019	2020
BWI	\$ 91,175,470	\$ 104,836,363	\$ 108,332,627	\$ 42,931,414
IAD	\$ 80,243,333	\$ 86,304,587	\$ 89,867,452	\$ 26,131,973
DCA	\$ 102,302,046	\$ 97,832,717	\$ 103,717,117	\$ 27,916,530

Square Footage				
	2018	2018	2020	2021
BWI	61,117	62,352	70,063	79,716 *
IAD	66,472	66,472	66,472	66,472
DCA	50,554	50,554	50,396	49,396

The \$105 million D/E Connector Program was completed in May 2017, on schedule and on budget. The program consisted of building a secure connector between Concourses D and E, a new security checkpoint that consolidates passenger screening for Concourses D and E, interchangeable international/domestic-use gates with common-use holdrooms and a sterile corridor to customs and immigration inspection for international arrivals, additional passenger concessions, and an improved baggage handling system in the reconfigured D/E Core. The connector allows passengers flying out of Concourse E to access the dining and shopping opportunities on Concourse D as well.



Source: 2018-2021 Editions of AX Fact Book
 * Does not include Food Court Seating or Support Space

REGIONAL SALES 2017-2020: SPECIALTY RETAIL

Gross Sales				
	2017	2018	2019	2020
BWI	\$ 16,800,447	\$ 24,880,674	\$ 18,460,162	\$ 6,495,332
IAD	\$ 17,935,859	\$ 17,954,835	\$ 16,201,483	\$ 2,845,685
DCA	\$ 9,924,448	\$ 10,074,413	\$ 10,761,899	\$ 2,081,365

Square Footage				
	2017	2018	2019	2020
BWI	23,852	23,939	32,681	22,375 *
IAD	20,636	20,636	22,018	22,018
DCA	15,038	15,038	13,719	13,719



A new small business retail program, LaunchPad, was initiated in 2017. The program was designed in collaboration with the Airport and concession developer to recruit smaller, local businesses to set up retail kiosks at BWI Marshall Airport.



REGIONAL SALES 2017-2020: NEWS/GIFTS

	Gross Sales			
	2017	2018	2019	2020
BWI	\$ 25,485,320	\$ 25,230,292	\$ 25,920,527	\$ 11,390,751
IAD	\$ 25,853,398	\$ 26,529,565	\$ 28,638,370	\$ 8,116,661
DCA	\$ 18,334,569	\$ 26,105,260	\$ 27,032,641	\$ 9,619,976

	Square Footage			
	2017	2018	2019	2020
BWI	19,764	19,764	20,878	19,662
IAD	16,624	16,624	16,660	16,660
DCA	8,066	8,066	9,516	7,030



Comparative Passenger Satisfaction



PARTNER SESSION II

Customer Experience

OCT. 4, 2019
MARITIME CENTER

①

Raising the bar...





Airport Service Quality (ASQ) is a globally established benchmarking program measuring passengers' satisfaction with airport facilities and services. The following is data from the 2021 First Quarter ASQ Passenger Satisfaction Report for BWI Marshall. While some benchmarks are set by ASQ analytics, the customized panel noted on several of the following slides has been selected by BWI Marshall for its internal benchmarking, comparing itself to airports including Indianapolis, Love Field, Tampa, Metropolitan Wayne County, Minneapolis, San Antonio, Austin-Bergstrom, and Louis Armstrong International Airport.



BENCHMARK AIRPORT CODES

IATA Code	Airport Name
AUS	AUSTIN-BERGSTROM INTL AIRPORT
BWI	BALTIMORE/WASH. INTL AIRPORT
DAL	LOVE FIELD AIRPORT
DTW	METROPOLITAN WAYNE CO AIRPORT
IND	INDIANAPOLIS INTERNATIONAL AIRPORT
MSP	MINNEAPOLIS/STP INTERNATIONAL AIRPORT
MSY	LOUIS ARMSTRONG INTL AIRPORT
SAT	SAN ANTONIO INTERNATIONAL AIRPORT
TPA	TAMPA INTERNATIONAL AIRPORT

The airports above have been selected by BWI Marshall for internal benchmarking. BWI Marshall compares itself to Austin-Bergstrom, Love Field, Metropolitan Wayne County, Indianapolis, Minneapolis, Louis Armstrong International Airport, San Antonio, and Tampa.

CUSTOMER SATISFACTION: OVERALL

BWI – Ranking Within the Customized Panel

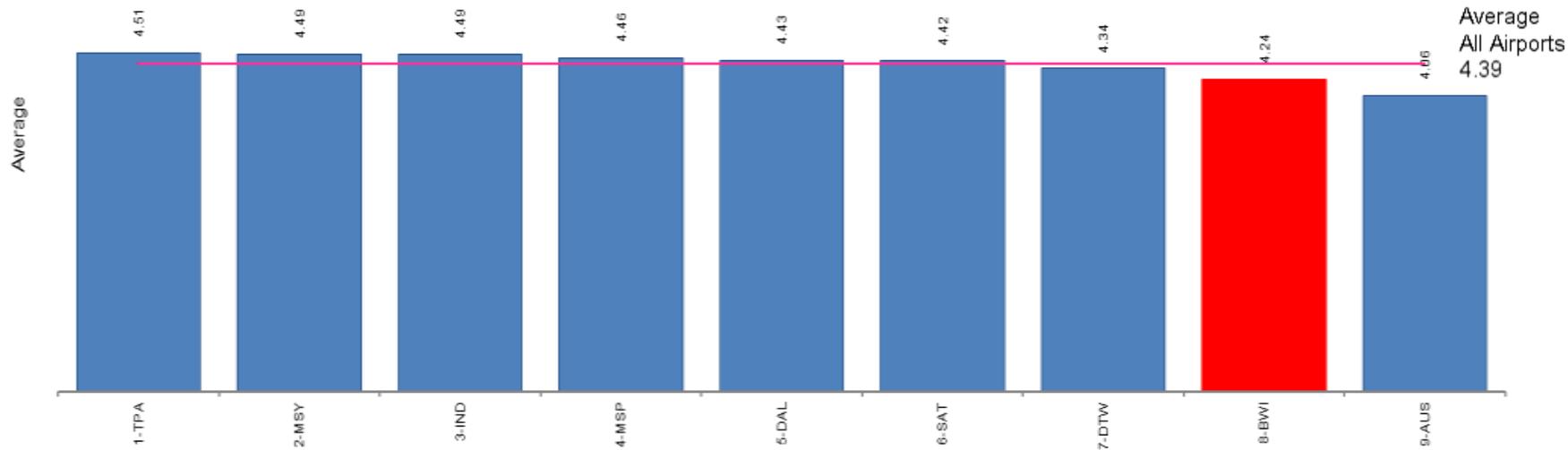
Overall Satisfaction



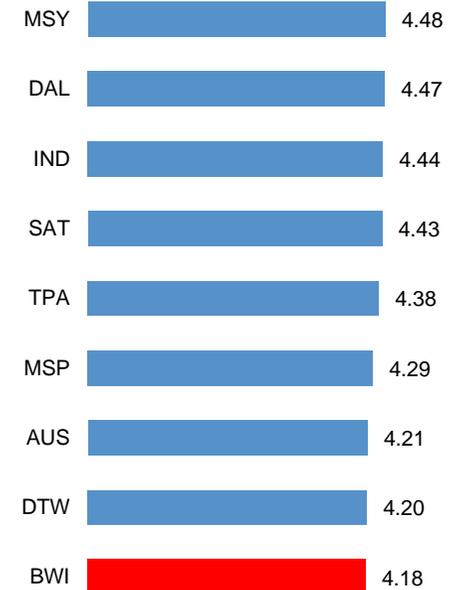


OVERALL SATISFACTION COMPARED TO SIMILAR AIRPORTS

BWI – Ranking Within the Customized Panel (Q4 2021)
Overall Satisfaction – Total



BWI – Ranking Within the Customized Panel (Q1 2022)
Overall Satisfaction – Total



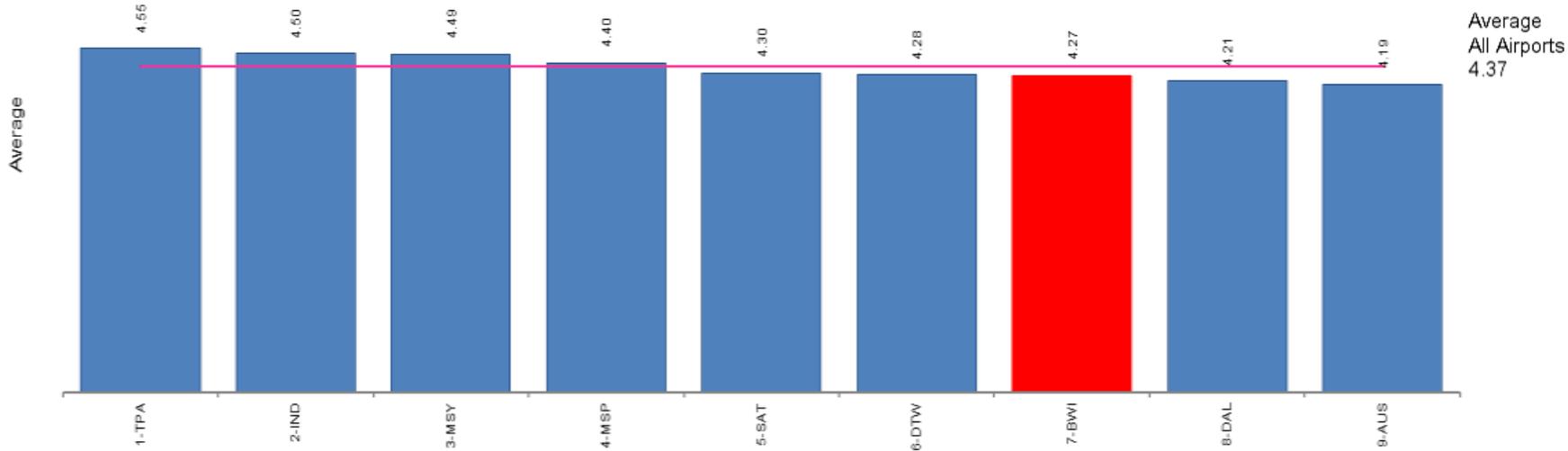
Q7. Based on your experience today, please rate this airport on each service item: Overall satisfaction with the airport.



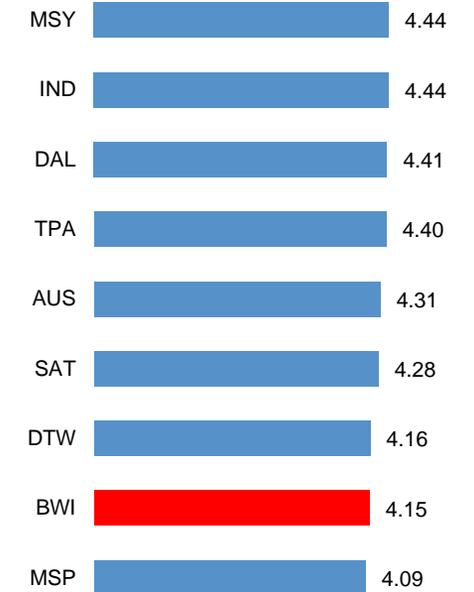
BWI – Ranking Within the Customized Panel (Q4 2021) Overall Satisfaction – Business



Reminder: It is more likely that these results are presented on small bases of respondents.



BWI – Ranking Within the Customized Panel (Q1 2022) Overall Satisfaction – Business

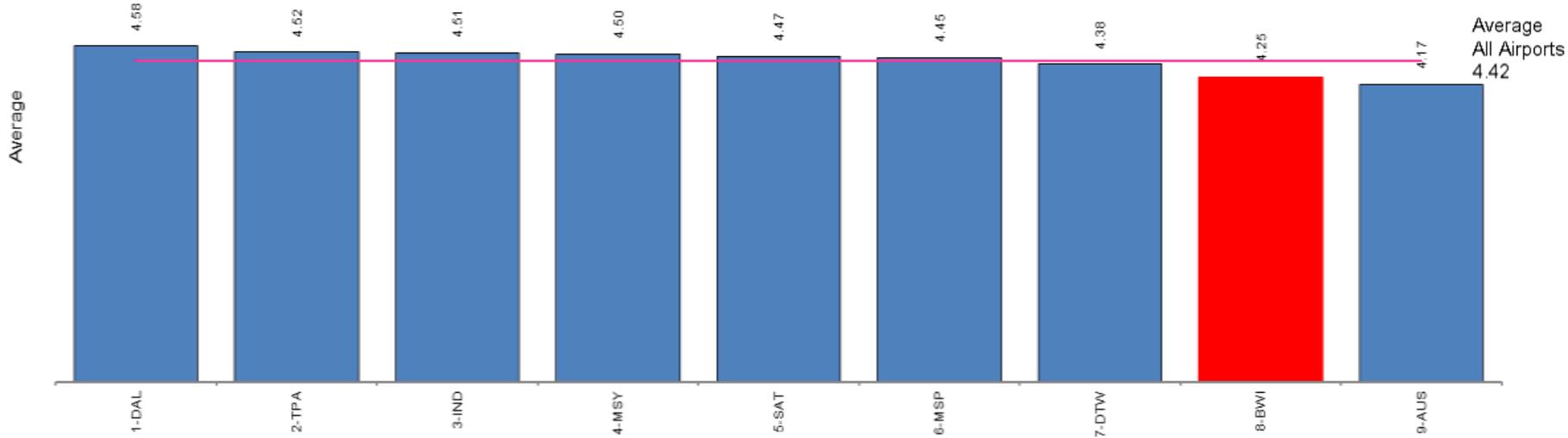


Q7. Based on your experience today, please rate this airport on each service item: Overall satisfaction with the airport.

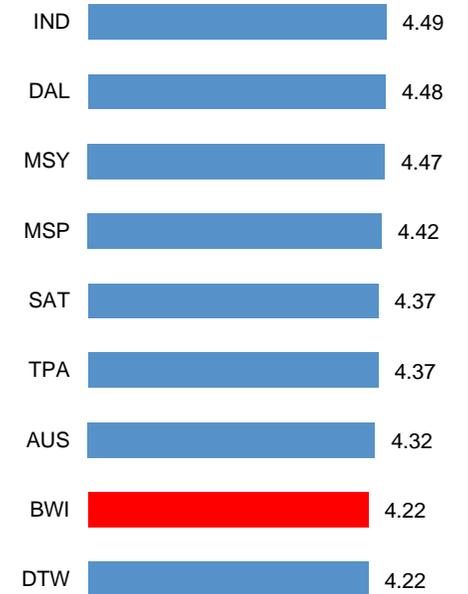
BWI – Ranking Within the Customized Panel (Q4 2021) Overall Satisfaction – Leisure



Reminder: It is more likely that these results are presented on small bases of respondents.



BWI – Ranking Within the Customized Panel (Q1 2022) Overall Satisfaction – Leisure

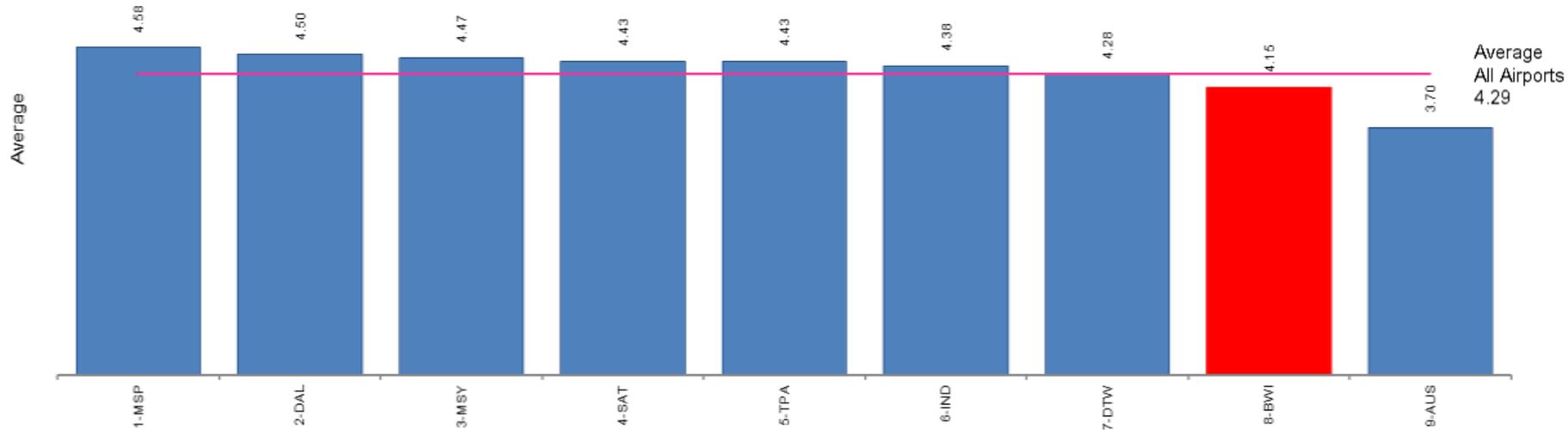


Q7. Based on your experience today, please rate this airport on each service item: Overall satisfaction with the airport.

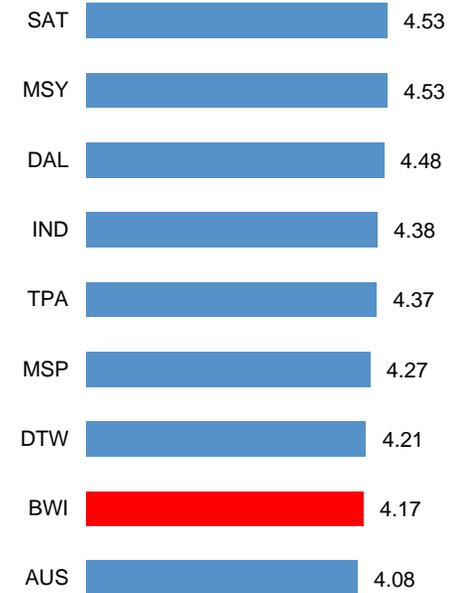
BWI – Ranking Within the Customized Panel (Q4 2021) Overall Satisfaction – Other



Reminder: It is more likely that these results are presented on small bases of respondents.



BWI – Ranking Within the Customized Panel (Q1 2022) Overall Satisfaction – Personal



Q7. Based on your experience today, please rate this airport on each service item: Overall satisfaction with the airport.

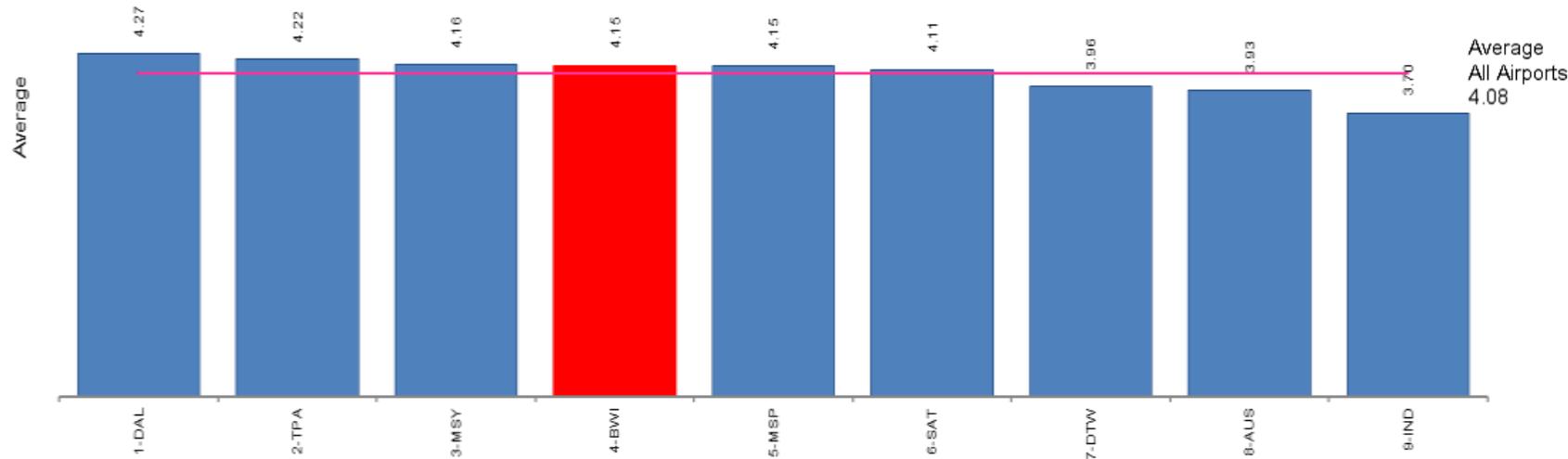
BWI – Ranking Within the Customized Panel

Airport Facilities

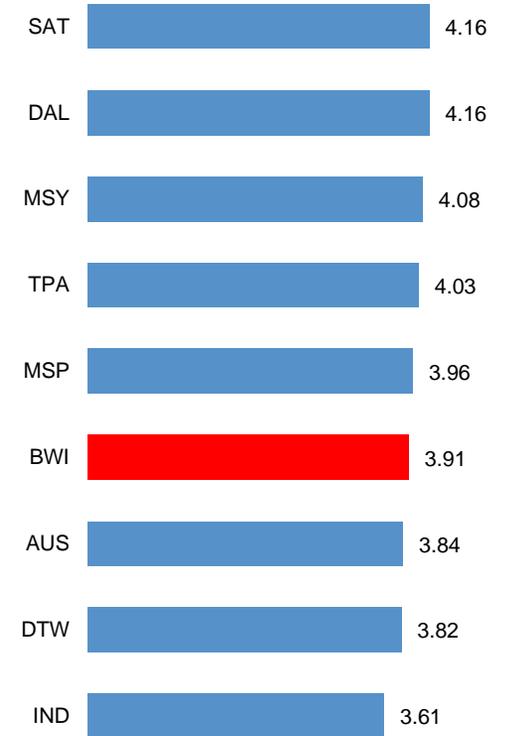


DINING SATISFACTION COMPARED TO SIMILAR AIRPORTS

BWI – Ranking Within the Customized Panel (Q4 2021)
 Airport Facilities – Eating facilities



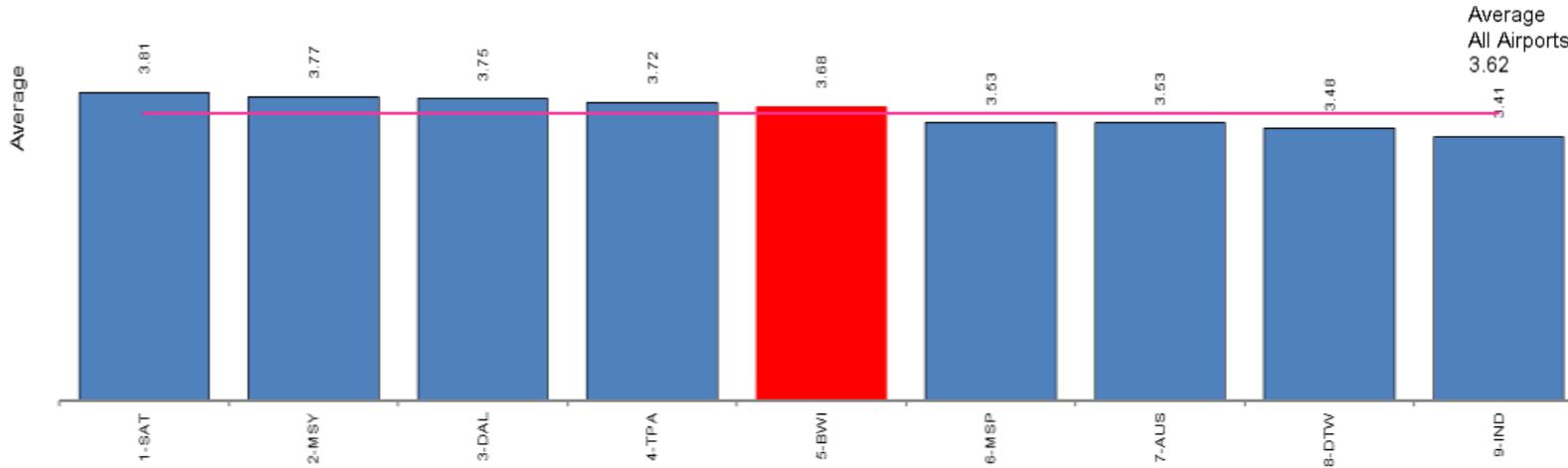
BWI – Ranking Within the Customized Panel (Q1 2022)
 Shopping/Dining-Restaurants/Bars/Cafés



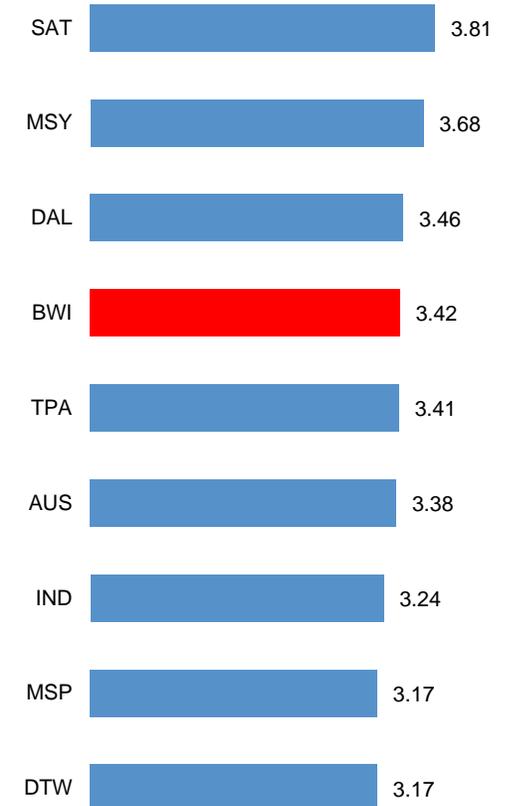
Q7s. Based on your experience today, please rate this airport on each service item: Restaurant/Eating facilities.

SATISFACTION WITH VALUE OF DINING: SIMILAR AIRPORTS

BWI – Ranking Within the Customized Panel (Q4 2021)
 Airport Facilities – VFM: Eating facilities



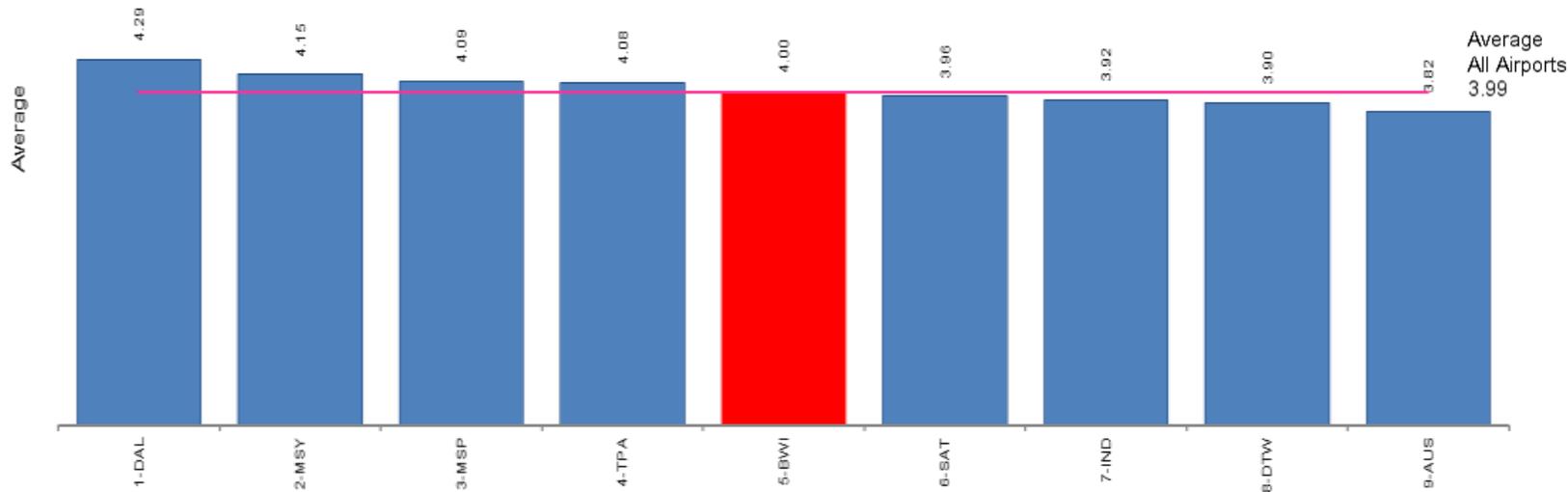
BWI – Ranking Within the Customized Panel (Q1 2022)
 Shopping/Dining-VFM: Restaurants/Bars/Cafés



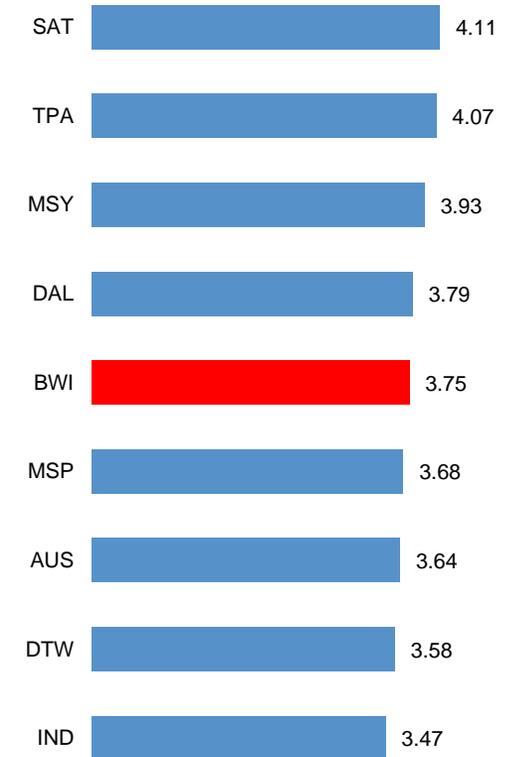
Q7t. Based on your experience today, please rate this airport on each service item: Value for money of restaurant/eating facilities.

SHOPPING SATISFACTION COMPARED TO SIMILAR AIRPORTS

BWI – Ranking Within the Customized Panel (Q4 2021)
 Airport Facilities – Shopping facilities



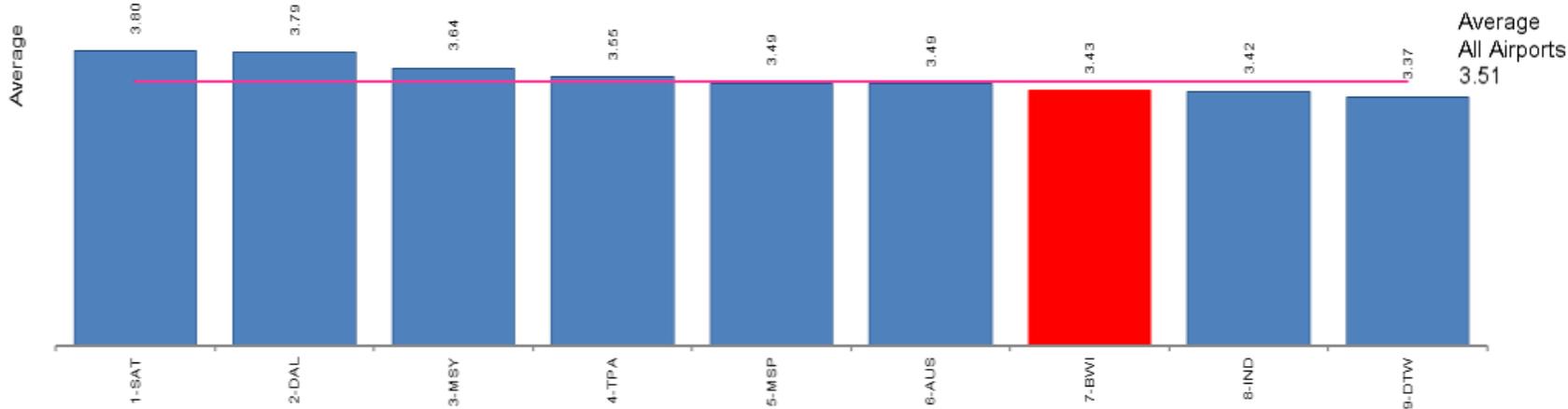
BWI – Ranking Within the Customized Panel (Q1 2022)
 Shopping/Dining-Shops



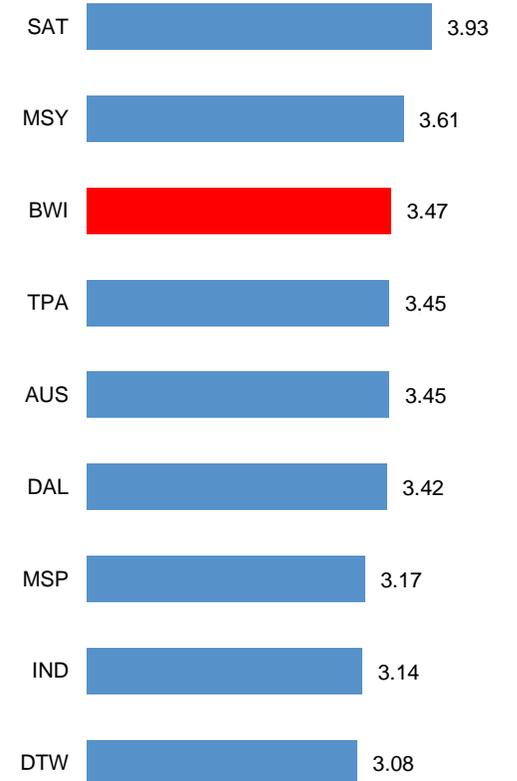
Q7v. Based on your experience today, please rate this airport on each service item: Shopping facilities.



BWI – Ranking Within the Customized Panel (Q4 2021) Airport Facilities – VFM: Shopping facilities



BWI – Ranking Within the Customized Panel (Q1 2022) Shopping/Dining-VFM: Restaurants/Bars/Cafés



Q7w. Based on your experience today, please rate this airport on each service item: Value for money of shopping facilities.

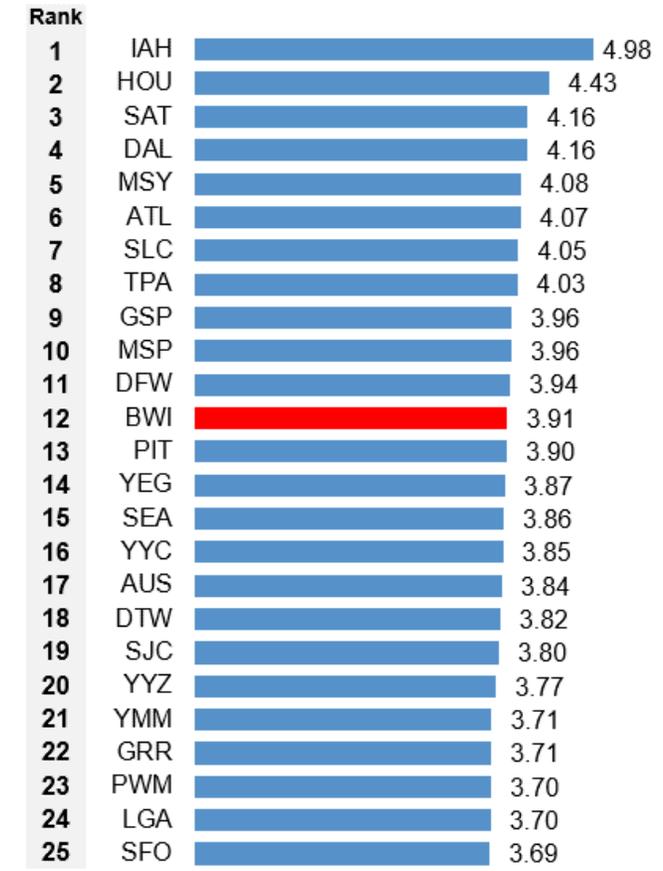
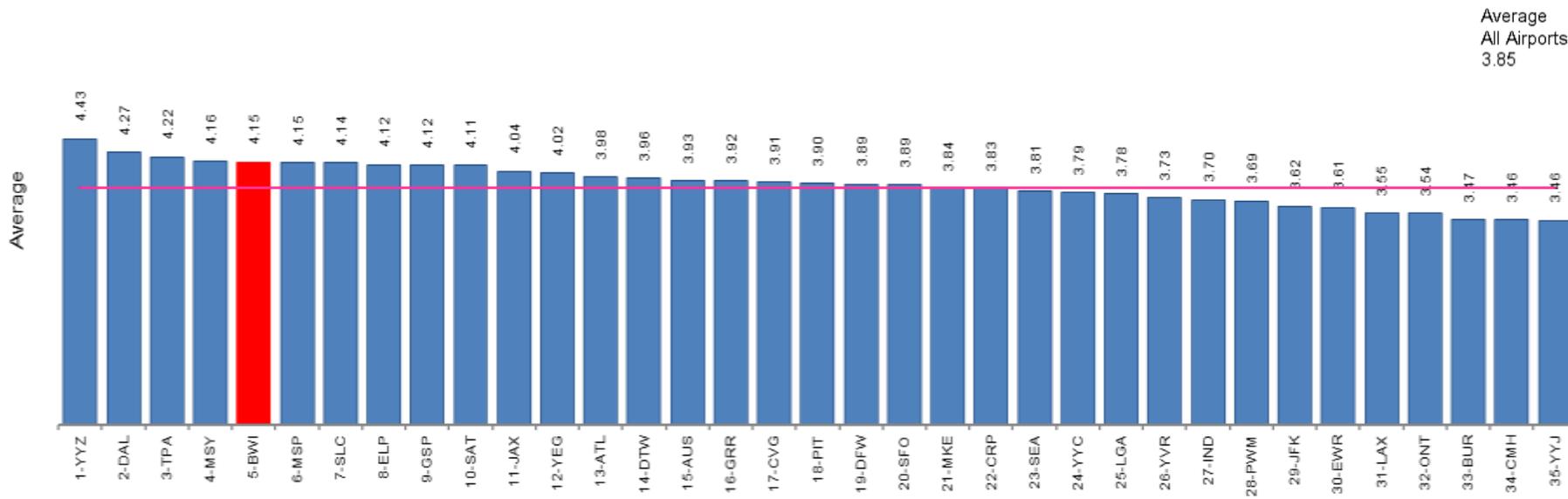


DINING SATISFACTION COMPARED TO NORTH AMERICAN AIRPORTS

BWI – Ranking Within North America (Q4 2021) Airport Facilities – Eating facilities



BWI – Ranking Within North America (Q1 2022) Restaurants/Bars/Cafés



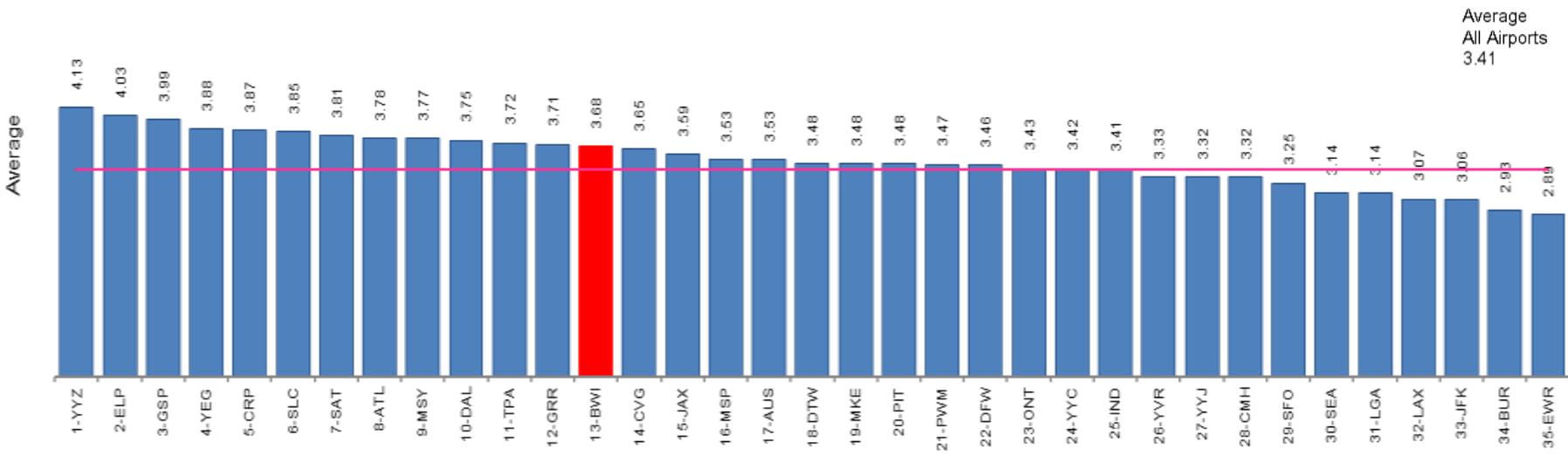
Q7s. Based on your experience today, please rate this airport on each service item: Restaurant/Eating facilities.



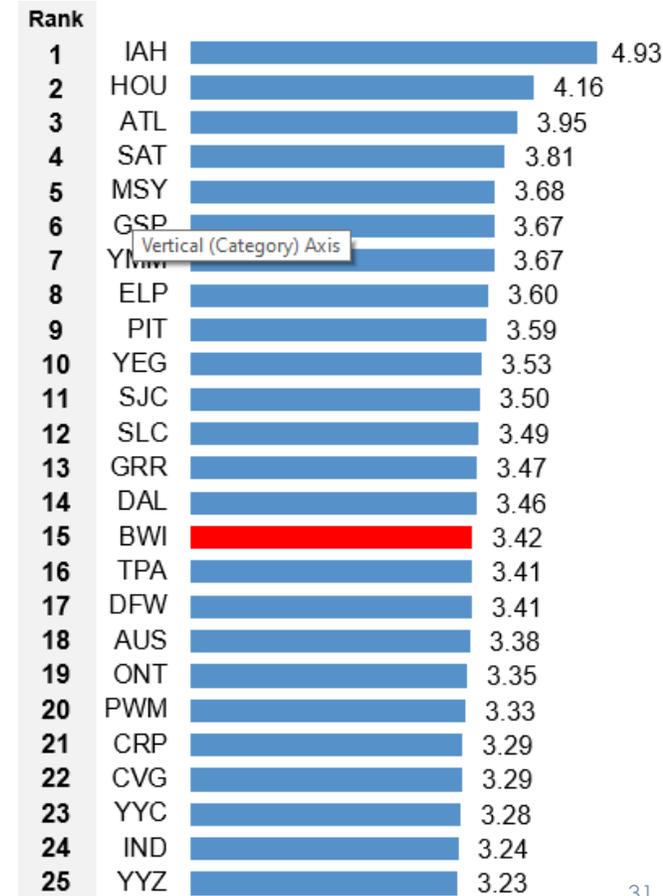


SATISFACTION WITH VALUE OF DINING: NORTH AMERICAN AIRPORTS

BWI – Ranking Within North America (Q4 2021) Airport Facilities – VFM: Eating facilities



BWI – Ranking Within North America (Q1 2022) VFM: Restaurants/Bars/Cafés



Q7t. Based on your experience today, please rate this airport on each service item: Value for money of restaurant/eating facilities.



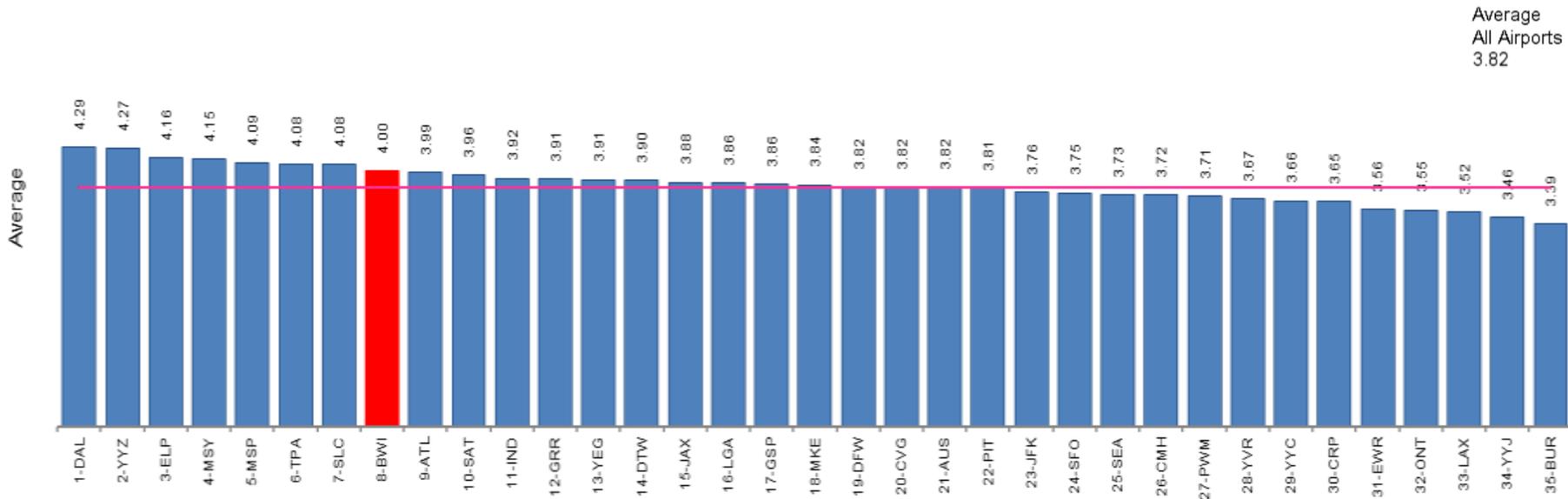


SHOPPING SATISFACTION COMPARED TO NORTH AMERICAN AIRPORTS

BWI – Ranking Within North America (Q4 2021) Airport Facilities – Shopping facilities



BWI – Ranking Within North America (Q1 2022) Shopping/Dining: Shops



Rank	Airport	Score
1	IAH	4.90
2	SAT	4.11
3	TPA	4.07
4	ATL	4.02
5	HOU	3.98
6	MSY	3.93
7	DAL	3.79
8	SLC	3.78
9	BWI	3.75
10	SJC	3.73
11	YEG	3.72
12	MSP	3.68
13	CVG	3.65
14	AUS	3.64
15	MKE	3.62
16	YMM	3.62
17	PIT	3.60
18	GRR	3.59
19	YYZ	3.59
20	ELP	3.59
21	GSP	3.58
22	DTW	3.58
23	DFW	3.58
24	LGA	3.57
25	PWM	3.52

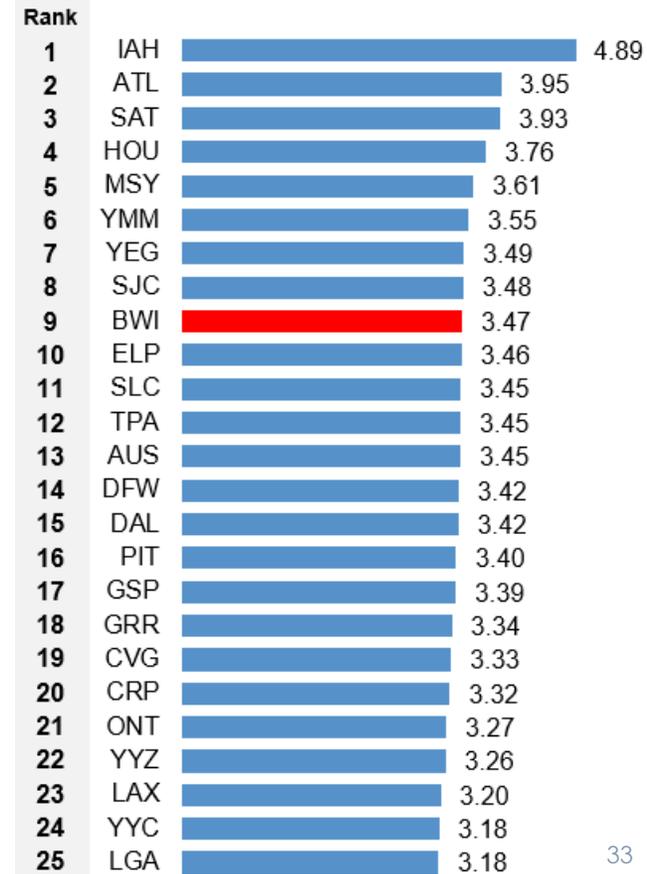
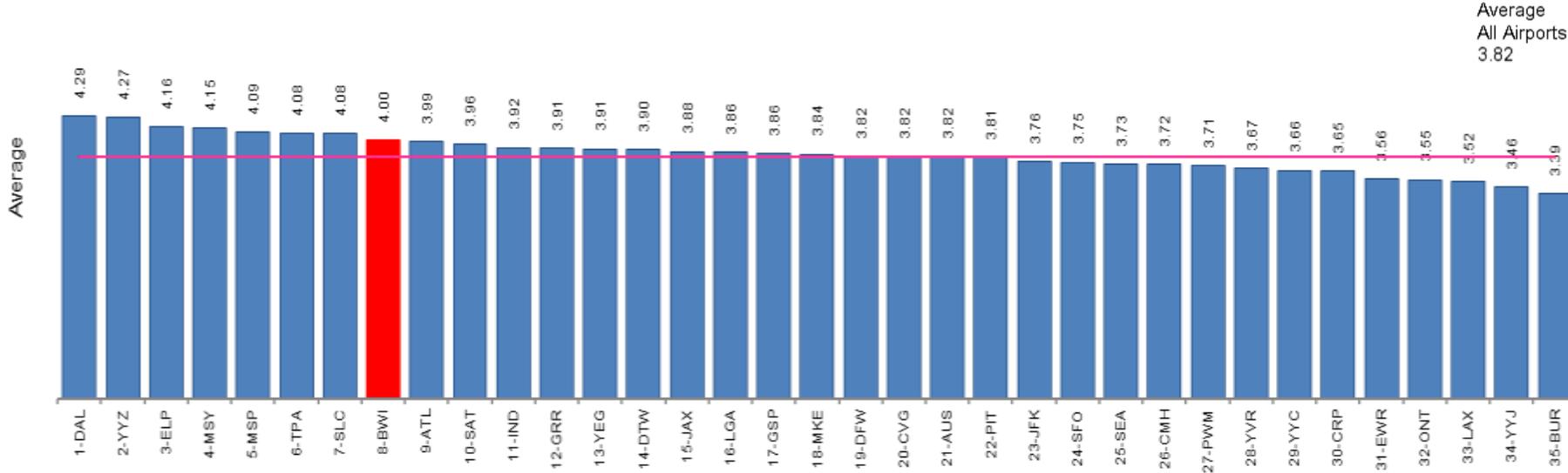
Q7v. Based on your experience today, please rate this airport on each service item: Shopping facilities.



BWI – Ranking Within North America (Q4 2021) Airport Facilities – VFM: Shopping facilities



BWI – Ranking Within North America (Q1 2022) VFM: Shops



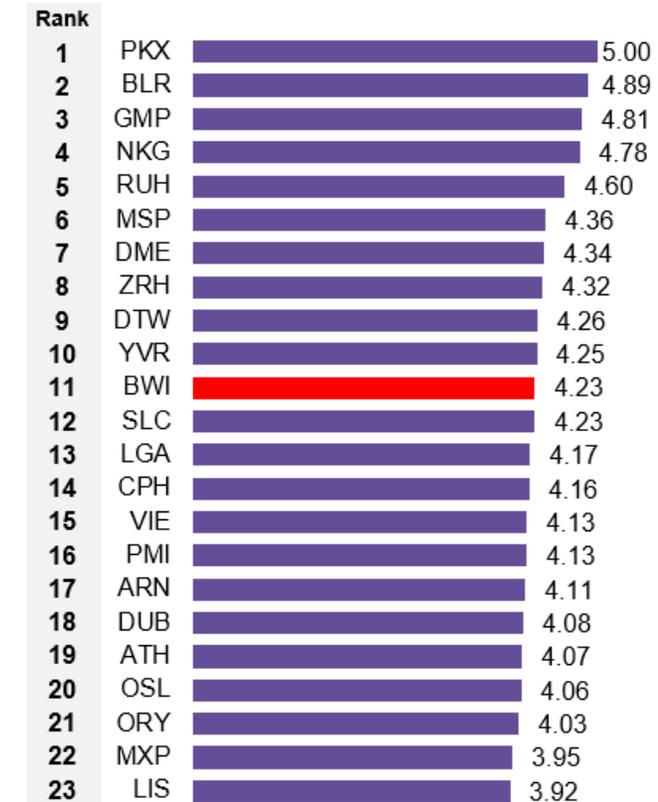
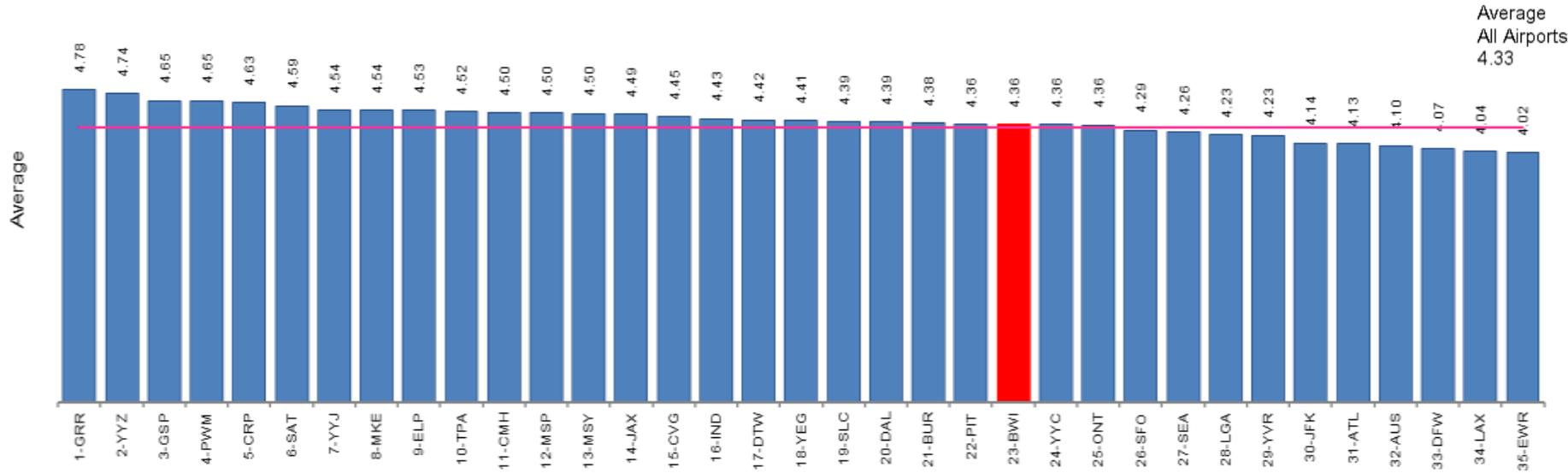
Q7w. Based on your experience today, please rate this airport on each service item: Value for money of shopping facilities.



BWI – Ranking Among Airports of 25M-40M (Q4 2021) Airport Facilities – Courtesy of airport staff



BWI – Ranking Amongst 25-40M Airports (Q1 2022) Courtesy & Helpfulness: Shopping/Dining Staff



Q7r. Based on your experience today, please rate this airport on each service item: Courtesy and helpfulness of airport staff (excluding check-in, passport control and security).



Comparative Activity at other US Airports



ORIGINATING PASSENGERS AT THE BUSIEST U.S. AIRPORTS

2019 Rank	City (airport)	Originating passengers (millions)					Percent increase (decrease)		
		2000	2007	2012	2017	2019	2000-2007	2007-2012	2012-2019
1	Los Angeles (International)	23.1	23.4	23.9	33.3	35.4	1.2%	2.4%	48.2%
2	New York (Kennedy)	12.5	18.6	19.5	24.6	26.7	47.9	5.0	37.2
3	Chicago (O'Hare)	16.1	18.0	16.7	21.9	24.3	11.9	(7.2)	45.4
4	Orlando (International)	13.5	16.6	16.1	20.5	23.2	23.0	(2.9)	43.8
5	San Francisco	14.5	12.8	16.6	20.9	22.3	(11.9)	30.0	34.2
6	Denver	9.4	13.0	13.9	18.8	21.8	38.6	6.3	57.6
7	Las Vegas	14.0	18.6	16.9	20.2	21.4	33.1	(9.0)	26.3
8	Atlanta	15.1	15.0	14.4	18.5	20.8	(0.5)	(4.3)	45.1
9	Boston	11.8	13.1	13.6	17.7	19.5	10.3	4.2	43.1
10	Newark	13.2	14.0	12.0	16.9	19.2	5.6	(14.2)	60.0
11	Seattle	10.1	11.5	11.6	15.8	17.6	13.7	0.5	51.8
12	Dallas/Fort Worth	11.5	12.4	11.6	14.3	16.3	8.2	(6.5)	41.0
13	Phoenix (Sky Harbor)	10.6	12.9	11.1	13.8	15.2	21.7	(13.6)	36.5
14	Fort Lauderdale	7.3	10.4	10.6	13.7	15.0	41.6	1.6	41.8
15	Miami	9.7	9.5	10.8	13.8	14.8	(2.7)	14.2	37.1

2019 Rank	City (airport)	Originating passengers (millions)					Percent increase (decrease)		
		2000	2007	2012	2017	2019	2000-2007	2007-2012	2012-2019
16	New York (LaGuardia)	11.0	11.6	11.6	13.2	14.0	5.0	0.4	20.9
17	San Diego	7.4	8.8	8.3	10.5	11.9	18.7	(6.3)	44.3
18	Minneapolis-St. Paul	8.2	8.8	8.3	10.7	11.9	8.0	(5.7)	43.3
19	Houston (Bush)	6.8	9.3	8.0	10.0	11.7	35.5	(13.2)	45.8
20	Philadelphia	6.9	9.9	8.5	9.9	11.1	43.9	(14.6)	31.1
21	Detroit	8.4	9.1	7.7	9.6	10.8	8.6	(15.6)	40.0
22	Tampa	7.1	8.7	7.7	9.2	10.5	23.3	(12.4)	37.3
23	Washington DC (Reagan)	6.1	7.5	7.8	10.1	10.2	22.2	4.0	31.7
24	Baltimore/Washington	8.4	8.6	8.3	9.4	10.1	2.2	(2.9)	20.8
25	Honolulu	8.4	8.4	7.5	8.2	8.9	0.6	(11.5)	19.6
26	Portland, Oregon	5.5	6.2	6.0	8.3	8.8	12.5	(2.7)	46.5
27	Austin	3.4	4.0	4.3	6.5	8.1	16.0	8.0	87.5
28	Washington DC (Dulles)	4.7	7.3	6.2	7.5	8.1	55.0	(14.7)	29.1
29	Salt Lake City	4.1	5.6	5.1	7.0	7.9	36.8	(9.8)	55.2
30	Charlotte	2.0	5.0	5.2	6.5	7.7	145.8	3.5	47.9
Top 30 airports							16.3%	(1.6%)	41.1%

Notes: Airports shown are the top 30 U.S. airports ranked by originating passengers for calendar year 2019. Percentages were calculated using unrounded numbers. Includes a small number of passengers on foreign-flag airlines making connections between international flights.

Source: U.S. DOT, Schedules T100 and 298C T1; U.S. DOT, Air Passenger Origin-Destination Survey, reconciled to Schedules T100 and 298C T1.

CONNECTING PASSENGERS AT THE BUSIEST U.S. AIRPORTS

2019 Rank	City (airport)	Connecting passengers (millions)					Percent increase (decrease)		
		2000	2007	2012	2017	2019	2000-2007	2007-2012	2012-2019
1	Atlanta	24.1	28.1	31.4	31.8	32.7	16.6%	11.6%	4.1%
2	Dallas/Fort Worth	16.7	16.0	16.4	17.5	19.4	(4.0)	2.5	18.3
3	Chicago (O'Hare)	17.1	18.5	15.5	16.7	16.7	8.5	(16.5)	7.8
4	Charlotte	8.4	11.6	14.8	15.5	16.5	37.7	28.3	11.3
5	Denver	8.6	11.1	11.9	11.0	11.8	29.6	7.8	(1.5)
6	Houston (Bush)	9.5	11.5	11.0	9.6	10.2	21.4	(4.4)	(7.5)
7	Los Angeles (International)	8.2	6.8	7.5	7.9	7.6	(17.8)	10.4	1.8
8	Seattle	3.4	3.9	4.5	6.8	7.4	13.8	16.3	64.4
9	Detroit	8.7	8.4	7.9	7.4	7.4	(3.9)	(5.6)	(6.8)
10	Minneapolis-St. Paul	8.6	8.1	7.6	7.7	7.3	(5.3)	(6.4)	(4.5)
11	Phoenix (Sky Harbor)	6.8	7.9	8.4	7.4	7.2	15.4	6.5	(14.1)
12	Miami	6.4	6.8	8.2	6.9	6.7	5.2	20.6	(18.2)
13	San Francisco	4.4	4.5	4.7	6.0	5.5	1.7	4.4	16.0
14	Salt Lake City	4.6	4.9	4.5	4.6	5.0	6.9	(8.7)	10.1
15	Philadelphia	4.4	5.7	6.1	4.4	4.9	28.6	6.7	(19.9)

2019 Rank	City (airport)	Connecting passengers (millions)					Percent increase (decrease)		
		2000	2007	2012	2017	2019	2000-2007	2007-2012	2012-2019
16	New York (Kennedy)	3.5	4.9	5.1	4.9	4.4	39.9	4.1	(12.9)
17	Newark	3.8	4.2	5.1	4.7	4.1	10.1	20.5	(20.0)
18	Washington DC (Dulles)	3.0	4.5	4.6	3.5	3.8	51.1	2.1	(15.9)
19	Baltimore/Washington	1.4	1.9	3.0	3.8	3.5	34.4	59.3	14.3
20	Chicago (Midway)	1.3	2.7	3.4	3.8	3.3	106.6	29.5	(3.6)
21	Las Vegas	2.3	3.9	2.9	3.0	3.1	67.9	(23.7)	5.6
22	Fort Lauderdale	0.2	0.7	0.9	2.1	3.0	194.8	28.9	239.8
23	Dallas (Love)	0.7	0.9	1.1	2.4	2.7	36.1	14.4	148.7
24	Houston (Hobby)	1.1	1.1	1.4	2.2	2.4	(0.4)	35.4	71.0
25	St. Louis	9.5	1.4	1.1	1.7	1.8	(84.9)	(24.1)	67.4
26	Honolulu	2.0	1.9	1.7	1.8	1.4	(7.6)	(5.8)	(19.9)
27	Washington DC (Reagan)	0.9	1.6	1.7	1.4	1.4	80.0	7.9	(19.2)
28	Orlando (International)	0.9	1.0	1.0	1.0	1.4	5.9	3.2	34.6
29	New York (LaGuardia)	0.9	1.0	1.2	1.4	1.4	12.6	25.3	12.5
30	Nashville	0.8	0.6	0.8	1.0	1.3	(25.8)	30.7	61.9
Top 30 airports						7.9%	5.2%	4.9%	

Notes: Airports shown are the top 30 U.S. airports ranked by number of connecting passengers for calendar year 2019.
Percentages were calculated using unrounded numbers.
Includes a small number of passengers on foreign-flag airlines making connections between international flights.

Source: U.S. DOT, Air Passenger Origin-Destination Survey, reconciled to Schedules T100 and 298C T1.

INT'L ENPLANEMENTS AT THE BUSIEST U.S. AIRPORTS

2019 Rank	City (airport)	Enplaned international passengers (millions)					Percent increase (decrease)			2019 Rank	City (airport)	Enplaned international passengers (millions)					Percent increase (decrease)		
		2000	2007	2012	2017	2019	2000-2007	2007-2012	2012-2019			2000	2007	2012	2017	2019	2000-2007	2007-2012	2012-2019
		1	New York (Kennedy)	9.02	10.72	12.45	16.12	16.98	18.8%			16.2%	36.4%	16	Philadelphia	1.27	1.79	1.88	1.76
2	Los Angeles (International)	8.16	8.33	8.33	12.05	12.55	2.1	(0.1)	50.8	17	Detroit	1.92	1.89	1.57	1.74	1.87	(1.5)	(17.0)	19.2
3	Miami	7.93	7.76	9.71	10.44	10.71	(2.1)	25.1	10.4	18	Charlotte	0.47	1.04	1.45	1.50	1.77	122.7	39.0	21.7
4	San Francisco	3.95	4.25	4.56	6.46	7.34	7.6	7.2	61.0	19	Las Vegas	0.51	1.12	1.40	1.76	1.76	117.9	25.1	25.8
5	Newark	4.40	5.28	5.58	6.31	7.13	19.9	5.7	27.7	20	Minneapolis-St. Paul	1.45	1.26	1.08	1.45	1.62	(13.1)	(13.9)	49.4
6	Chicago (O'Hare)	4.96	5.67	5.15	6.39	6.89	14.3	(9.3)	33.8	21	Denver	0.63	1.10	0.87	1.28	1.56	73.9	(20.7)	78.4
7	Atlanta	3.11	4.46	4.78	5.89	6.23	43.2	7.3	30.4	22	New York (LaGuardia)	0.68	0.63	0.73	1.08	1.12	(7.7)	16.1	53.9
8	Houston (Bush)	2.67	3.79	4.27	5.06	5.48	42.3	12.5	28.4	23	Phoenix (Sky Harbor)	0.47	0.87	1.10	1.02	1.04	85.2	25.7	(5.4)
9	Dallas/Fort Worth	2.42	2.51	2.90	4.06	4.63	3.9	15.6	59.4	24	Baltimore/Washington	0.41	0.30	0.34	0.57	0.61	(27.5)	13.6	80.3
10	Fort Lauderdale	0.57	1.44	1.76	3.51	4.24	150.9	22.0	141.4	25	Tampa	0.19	0.18	0.24	0.45	0.54	(3.6)	30.6	126.2
11	Washington DC (Dulles)	1.95	2.83	3.22	3.76	4.14	45.3	13.8	28.6	26	Salt Lake City	0.02	0.27	0.18	0.45	0.52	n.c.	(31.5)	186.0
12	Boston	2.07	1.92	2.03	3.43	3.93	(7.4)	5.7	93.5	27	San Diego	0.15	0.15	0.26	0.44	0.52	2.2	75.8	96.7
13	Orlando (International)	1.20	1.10	1.88	2.85	3.46	(8.1)	70.4	84.3	28	Houston (Hobby)	0.00	0.00	0.00	0.45	0.43	n.c.	37.6	n.c.
14	Seattle	1.09	1.27	1.55	2.47	2.78	17.3	21.5	79.7	29	San Jose	0.17	0.08	0.08	0.42	0.42	(54.2)	6.2	404.7
15	Honolulu	2.49	1.79	2.21	2.64	2.66	(28.3)	23.6	20.4	30	Portland	0.22	0.31	0.24	0.38	0.41	37.3	(22.0)	71.0
											Top 30 airports					14.8%	10.4%	41.0%	

Notes: Airports shown are the top 30 U.S. airports (excluding airports in Puerto Rico, the islands of the Pacific Trust, and the U.S. Virgin Islands) ranked by international enplaned passengers for calendar year 2019. Percentages were calculated using unrounded numbers.
n.c.=not calculated.

Sources: U.S. DOT, Schedules T100 and 298C T1, except Baltimore, Maryland Aviation Administration records.

